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**COMFORT... WITH
CANADIAN HEATING**





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We take pleasure in welcoming you to the Canadian Exhibit at the 6th International Trade Fair for Oil Heating and Gas Heating (INTHERM 66) at the Hoehenpark Killesberg Fair and Exhibition Grounds, Stuttgart, March 30 to April 3, 1966. This booklet lists the Canadian exhibitors and describes the outstanding advances they offer in oil and gas heating equipment for the home, commercial and industrial premises. Representatives of the exhibiting firms and the Canadian Department of Trade and Commerce will be pleased to answer inquiries at the Fair. Information on the full range of quality products and services available from Canada can be obtained at any time from this office or any of the other Canadian trade offices listed elsewhere in this booklet.



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Commercial Counsellor
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CANADA AT INTHERM 66

international
trade fair
for oil heating
and gas
heating
stand no. 658
hall no. 6

HOEHENPARK
KILLESBERG
FAIR
AND
EXHIBITION
GROUNDS
STUTTGART
FEDERAL
REPUBLIC
OF
GERMANY
MARCH 30
TO
APRIL 3
1966



CONTENTS

INTRODUCTION	/ 5
ALLANSON MANUFACTURING CORPORATION LIMITED	
OIL BURNER IGNITION TRANSFORMERS, BATTERY CHARGERS	/ 6
DUO-MATIC OF CANADA LIMITED	
OIL AND GAS FURNACES, OIL BURNERS	/ 7
LENNOX INDUSTRIES (CANADA) LIMITED	
OIL AND GAS FURNACES, GAS-FIRED WATER HEATERS	/ 8
LLOYD REGISTER & GRILLE CO. LIMITED	
GRILLES AND REGISTERS	/ 9
METALBESTOS MANUFACTURING CO. LTD.	
GAS VENT PIPE AND FITTINGS, ALL-FUEL CHIMNEYS	/10
W. H. OLSEN MANUFACTURING CO. LTD.	
GAS-FIRED UNIT HEATERS, GAS AND OIL FURNACES	/11
ROBERTS-GORDON APPLIANCE CORPORATION LIMITED	
GAS-FIRED CONVERSION BURNERS, INFRA-RED GAS HEATERS	/12
TALARICO LTD.	
PREFABRICATED PIPE, DUCTS AND FITTINGS	/13
TERRY BURNERS INC.	
OIL BURNERS, HEATING ACCESSORIES	/14
TERRY INDUSTRIES, A Division of Textron Canada Limited	
PORTABLE VENTED SPACE HEATERS	/15
LIST OF CANADIAN TRADE OFFICES	/16

BALANCED HEATING FOR BETTER LIVING

Winter air conditioning is providing even-temperature comfort to more and more European homes. And more and more European buyers are turning to the Canadian heating industry to supply their needs.

It's natural that they should. For Canadians, living in a land of intense climatic extremes, are continually searching for new materials, products and techniques to make home life fully enjoyable and healthful under the impact of these conditions. In the process, the Canadian heating industry has attained world leadership in the field and today is able to offer many advances and refinements in balanced home heating.

Long gone are the coils and radiators that left the floor level cold, sent all the warm air to the ceiling and created an overheated, stuffy atmosphere. Today's manufacturers offer a wide range of winter air conditioners in their place: warm-air units, gas or oil fired, which diffuse even, balanced warmth and constantly freshened air throughout the home.

These systems, in which the air is completely changed every few minutes, represent a major and continuing breakthrough not only in home-heating techniques but also for commercial and industrial applications.

Some of the advances and advantages of Canadian-manufactured winter air-conditioning equipment are:

- A positive air control that provides consistent and correct mixing of fuel and air, ensuring complete combustion and economical operation.
- An automatic, fingertip thermostatic control that operates regardless of temperature fluctuations. This "mechanical janitor" works without supervision when the thermometer dial is set at the desired degree. And there can be one for each individual room or area.
- A centrifugal blower, mounted on rubber, that draws cold air from the rooms and feeds it to the furnace to be filtered and warmed.
- Health-protecting filters that remove almost 100 per cent of dust and grime from the air on its return to the furnace.
- An automatic humidifier, that keeps a proper moisture balance in the air as it is heated, makes the air easier to heat and creates a comfortable, healthful atmosphere.

These are only a few examples of up-to-the-minute efficiency and economy offered by Canadian manufacturers of heating and air-cleansing equipment. A full range is available for all tastes and requirements.

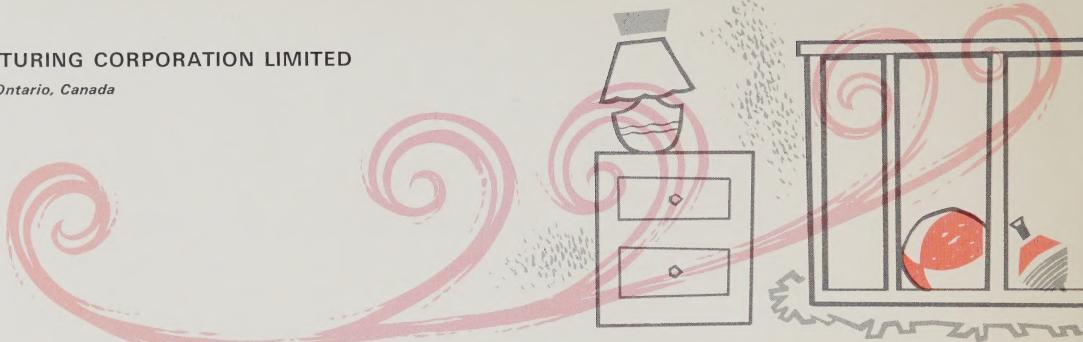
Visitors to the Canadian Exhibit will see much that is new in the heating field and will be impressed with the engineering ingenuity and distinctive design of the quality products displayed. These products are described on the following pages which also contain information about the participating companies.

ALLANSON MANUFACTURING CORPORATION LIMITED

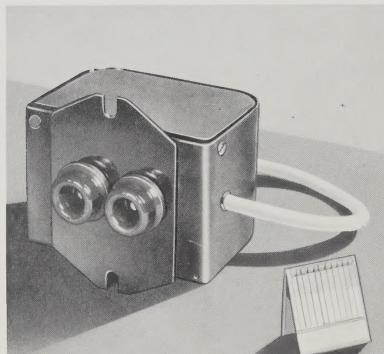
33 Cranfield Road, Toronto 16, Ontario, Canada

REPRESENTED BY:

Dieter Philippen
Behrenstrasse 25
4 Düsseldorf
Bundesrepublik Deutschland



oil burner ignition transformers, battery chargers



New Allanson ignition transformer of compact design was specially engineered to fit oil burners requiring small size and easy installation. Its measurements are 77 mm base to top, 78 mm in width and 102 mm in length.

Advanced design and quality engineering are characteristics of the products from Allanson Manufacturing Corporation Limited. Designers and manufacturers of specialty transformers for heating and other uses since 1941, the company's products are accepted by every oil burner manufacturer in Western Europe, North and South America and Australia.

Designed to operate at low temperatures, Allanson oil burner ignition transformers are built to meet VDE Standards .0550 part 6, as well as most testing authority specifications throughout the world. Rated both for continuous and intermittent operation, all standard models are vacuum-pressure impregnated, cast in insulating compound and housed in steel.

A compact model has been designed specifically to fit oil burners requiring small size transformers. It is easy to install, reliable, and gives long-life performance.

Currently, as one of the world's largest specialty transformer manufacturers, Allanson exports to 12 European countries and recently opened a sales office in Duesseldorf to administer and extend its continental sales. The company also exports to Turkey, Peru, Panama and Australia.

Allanson is also highly successful in the battery charger field. A complete line of automotive-type portable chargers is offered, ranging in capacity from 1 ampere to 15 amperes for either 6 or 12 volt batteries. These chargers are competitively priced and are built to conform with VDE specifications.

Employing a new concept in commercial battery-charging technique, the company recently introduced a line of automatic battery chargers capable of charging the heaviest industrial batteries at a constantly controlled rate. Current production is on a 36-volt, 20-ampere rating. Other models will soon be available.



**DUO-MATIC
OF CANADA LIMITED**
Waterford, Ontario, Canada

REPRESENTED BY:
Du-Matic Europ S.A.
507, rue de Grand Bigard
Berchem, Bruxelles, Belgique

oil and gas furnaces, oil burners

Duo-Matic of Canada Limited, recognized as one of the leaders in the home heating field in Canada, markets its equipment in 30 countries including most of Europe, South America, Australasia, the Middle East and Japan.

The company has made remarkable progress in eight years of operation. Much of this progress is due to new heating concepts developed in its extensive research and development laboratory.

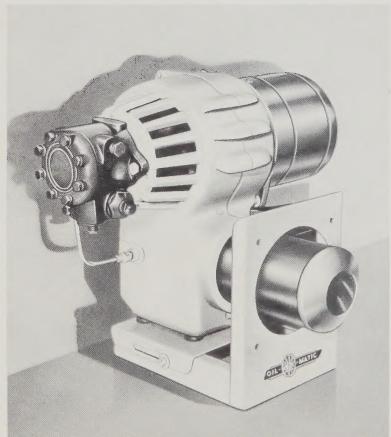
Some of the most efficient and adaptable units on the market today have been developed from these concepts. Known as the Oil-O-Matic series, Duo-Matic furnaces feature high efficiency and dependability and operate quietly. Housed in compact and attractive cabinets, they offer a wide range of air volumes, static pressures, velocities and temperatures.

Humidification, air conditioning and complicated duct systems are easily accommodated by these newly designed units.

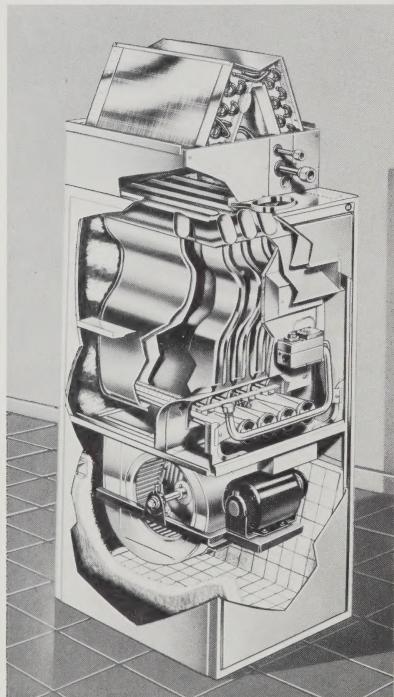
In the low-pressure series there are six models ranging from 65,200 to 215,000 BTUH output. Five models in the high-pressure series give outputs ranging from 83,500 to 195,000 BTUH.

The company also offers two models of oil burners designed specifically for 50-cycle power supply. New air-oil pump design, new secondary air control and a new concept in fan housing, permitting a greater range of firing rates, are featured in the DML air-atomizing series.

A different and more positive method of controlling combustion air, plus the new fan housing, give a high performance level in the DMH high-pressure series.



An exclusive fan housing design allowing a greater range of firing rates is featured in the Duo-Matic DMH new series of high-pressure oil burners.



Cutaway view of Lennox's Duracurve gas-fired furnace shows how serpentine curved design of heat exchanger departs radically from traditional up-and-down centre line usually found in an exchanger assembly.

A completely new concept in warm air heating unit design is offered by Lennox Industries (Canada) Limited in its Duracurve series of gas-fired furnaces.

The main—and unique—feature is a heat exchanger of radically different design which departs from the traditional up-and-down centre line in one plane. Instead, the Duracurve's centre line curves widely away from the vertical plane between the burner and combustion zone at the bottom and the flue gas gathering chamber above. Every square inch of the active heating surface becomes a curved section of a cylinder giving larger air volumes, quieter operation and lower electric power cost.

With minor, inexpensive modifications the burners of these units can be made to operate on all known commercial gases.

The company's Duracurve series highlights a complete range of warm air central heating equipment for domestic, industrial and commercial purposes.

This equipment embodies many special technical features resulting from Lennox's long experience dating back to the 1890's. Units range from 25,000 to 128,000 BTUH for gas and from 37,000 to 207,000 BTUH output for oil.

Also on display is a gas-fired water heater of advanced design for either residential or commercial applications. It has a universal burner suitable for all gases, a storage capacity of 25 imperial gallons and a recovery rate of 32 imperial gallons per hour raised through 80 degrees Fahrenheit (26.7 degrees Centigrade). Heat input is 36,000 BTUH.

gas and oil furnaces, gas-fired water heaters



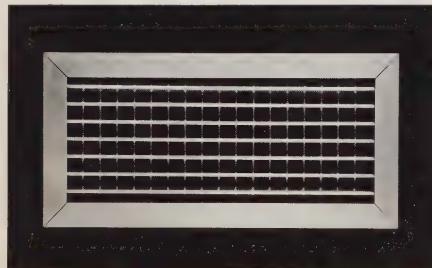
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Klaus-Ulrich Puschke
6 Frankfurt/Main
Ruesterstrasse 11
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LLOYD REGISTER & GRILLE CO. LIMITED

30 Six Point Road, Toronto 18, Ontario, Canada



Simplicity of design for easy cleaning and maximum heat flow is featured in the Lloyd line of all-aluminium registers and grilles. One series requires no screws for installation.



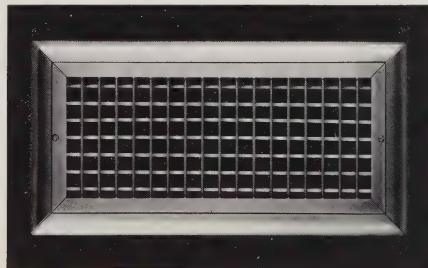
Much of the efficiency of a modern warm air heating system depends on the design of the grilles and registers through which fresh warm air is supplied to the rooms and returned to the unit for reconditioning.

Lloyd Register & Grille Co. Limited is a leading specialist in this field in Canada and is displaying three series of grilles and registers which will blend in with a wide variety of interior architectural designs. In each, an optional set of frames and margins is available to complement any décor.

In the basic all-aluminium "L" series, margin dimensions are generally $1\frac{3}{8}$ " wide, while louvre spacings are at .75" or .50" on centres. Volume controls—both opposed-blade and multi-shutter—are also all-aluminium to prevent faulty operation because of rust or corrosion.

The "LN" series is similar to the "L", but incorporates a standard $\frac{5}{8}$ " margin for streamlined appearance.

The top Lloyd line, the "LS" series with margin width of $1\frac{1}{4}$ ", can be fitted without screws. These grilles have an invisible fastening frame which is installed then plastered over. Snap-in grille mounting is a simple, split-second operation achieved by the spring-type, locking friction grips standard on all "LS" registers and grilles.



grilles and registers

METALBESTOS MANUFACTURING CO. LTD.

Brockville, Ontario, Canada

REPRESENTED BY:

Trans Ocean Services
Winchester House
19 Bedford Row
London, W.C.1, England

all-fuel, factory-built chimneys; gas vent pipe and fittings

Metalbestos Manufacturing Co. Ltd. is one of the world's largest manufacturers of gas vent pipe and fittings and all-fuel chimneys.

Metalbestos chimneys are the result of many years' research and development. They are available in 6", 7", 8" and 10" flue sizes and are factory-built for durability and strength. Each has three layers of construction material: a stainless steel interior, a layer of exclusive insulation and a rugged aluminium outer wall.

The Low-K insulation is so efficient that 2" of Metalbestos chimney wall compares with 35" of brick. This insulation, with other exclusive design features, controls condensation of the flue gases resulting in minimal soot deposits.

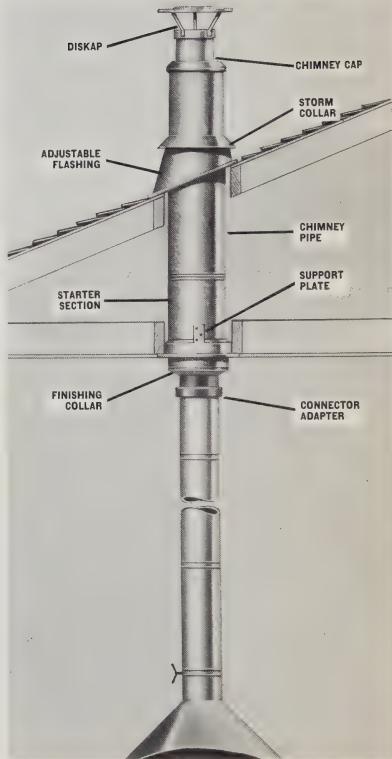
There is a Metalbestos chimney for every job—residential, commercial or, industrial. All components are lightweight and fit together easily. One man can complete a typical residential installation in just over one hour.

Metalbestos chimneys save space for builders and home owners. A typical residential installation occupies only seven cubic feet of space compared to 12 cubic feet for ordinary factory-built chimneys and 36½ cubic feet for masonry. They can be installed anywhere in a house, utilizing halls, clothes closets, corners or storage areas, and need not follow the outside of the building.

Metalbestos gas vent systems for residential, commercial and industrial installations are constructed to develop a positive flow adequate to exhaust all flue gases to the outside air, without condensation within the vent or spillage at the appliance draught hood.

Strong, durable, corrosion-resistant galvanized steel is used for the outer casing; 1100 alloy aluminium for the inner casing. A built-in air space provides permanent insulation, keeping the inner pipe hot and the outer pipe cool for added safety. This insulation feature permits one-inch clearance to combustible surfaces.

Three series of Type B gas vent are produced by Metalbestos, giving the contractor a choice of diameters from 3" to 24" and venting capacities to more than 10 million BTU's. The company offers contractors many free services to help them solve venting problems and to ensure that the most economically-sized venting capable of handling each job efficiently is selected.



Cutaway drawing shows typical Metalbestos chimney installation. Chimneys feature stainless steel flue for easy maintenance, mineral-fibre insulation and aluminium outside casing.



W. H. OLSEN MANUFACTURING CO. LTD.

Highway 2, Tilbury, Ontario, Canada

Engineered to meet the heating requirements of a wide variety of home installations, the gas-fired sectional Hi-Boy furnaces produced by W. H. Olsen Manufacturing Co. Ltd. are among the most advanced in the field. Ten models are available in a range from 46,000 to 58,000 BTUH and 168,000 to 210,000 BTUH.

Compact, durable components are completely assembled, wired and housed within an attractive baked enamel steel cabinet that's welcome in any setting. Only the thermostat needs to be mounted and wired when this versatile unit is installed. Air conditioning is optional and can be added any time without expensive duct work.

Olsen multi-flow gas-fired unit heaters, specially designed for factory, warehouse and garage applications, feature a top-mounted fan to increase over-all efficiency by drawing and recirculating warmer ceiling air. These ceiling-mounted units can be arranged for front, bottom or side discharge as required. They have reduced heating costs substantially in many Canadian factory installations. There are eight models ranging from 65,000 to 320,000 BTUH.

In home oil furnaces, the Olsen design has a full wrap-around "Thermafire" heat exchanger. Units come completely pre-assembled and totally enclosed in a baked enamel finish cabinet and, like the gas units, are readily adaptable for air-conditioning equipment.

BTUH output in the Lo-Boy series ranges from 93,000 to 162,000; in the Hi-Boy from 71,000 to 112,000; and in Counterflow models from 70,000 to 110,000.

*gas-fired unit heaters,
gas and oil furnaces*



Sectional gas-fired Olsen Hi-Boy unit features compact arrangement of component parts completely assembled, wired and housed in attractive baked enamel steel cabinet.

ROBERTS-GORDON APPLIANCE CORPORATION LIMITED

7 South Service Road, Grimsby, Ontario, Canada

Featured item for the European market in the wide range of gas burners and other gas heating equipment from Roberts-Gordon Appliance Corporation Limited is a gas-fired atmospheric upshot burner. This unit will convert any furnace into a fully automatic, highly efficient gas furnace.

With capacities of 32,000 to 110,000 BTUH, the unit has several advanced engineering features that make it highly attractive for the conversion market.

A push-button lighter assembly, for example, enables the user to light the pilot without calling a service man. A secondary air seal directs air to the point of burning, providing maximum combustion efficiency. With all controls operating on the millivolt system, the heating plant continues to operate during an electric power failure. In pilot failure, the burner is automatically relighted and the main gas valve closed.

For industrial-commercial applications, Roberts-Gordon has a Solaray Hi-Intensity heater with an exclusive infra-red stainless steel emitter which distributes heat from overhead burners downward and outward much like the warm, healthful rays of the sun.

Another infra-red unit, the Co-Ray-Vac, provides draughtless radiant heat from a series of easy-to-install, small overhead burners connected from the combustion chamber of one burner to the next by standard 2½" steel pipe.

Bright surface metal reflectors direct the infra-red rays downward into the desired area. The system saves up to 50 per cent on fuel bills in average industrial installations.

Another money-saving advantage is that no chimney or boiler room is required. And while the entire work area is properly and comfortably heated, there is no heat loss to unused areas.

gas-fired conversion burners, infra-red gas heaters



Telescoping mixer, pipe of which is shown at left, is unique feature of Roberts-Gordon atmospheric upshot conversion burner. It saves space on any conversion installation.

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Bundesrepublik Deutschland

prefabricated pipe, ducts and fittings for warm air heating systems

Talarico Ltd., founded in 1920, has concentrated on fabricating pipe since 1928. During these years of experience, the company has developed a simplified and improved method of designing, fabricating and installing air duct systems for residential heating and cooling.

Main feature of the Talarico system, identified by the trade name Prefab, is that duct work is kept to one size of branching and five sizes of trunking—thus cutting manufacturing and installation costs.

The ducts and fittings, made of galvanized steel, are shipped unassembled to simplify packaging, carting and storing.

Easy-to-follow instructions for assembling and installing are supplied with each package in a Talarico Residential Conditioning Guide which also includes a special formula for determining the number of outlets required and methods of installation.

If obstructions necessitate special fittings to complete an installation, these may be fabricated in the shop or on site with rail or flat panels or collar strips.

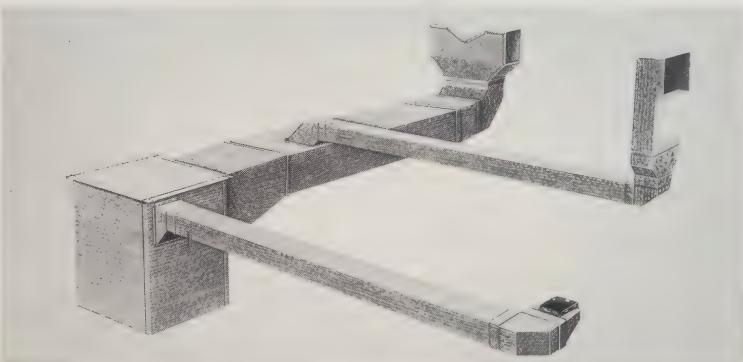
Talarico exports to the Federal Republic of Germany, Britain, France, The Netherlands and the United States. Sales are made mainly through heating, plumbing and hardware wholesalers but the company also sells direct to the user or heating contractor if quantities are large enough.

REPRESENTED BY:

Kurt Petersen
Agency Talarico Ltd.
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Parkallee 25
Bundesrepublik Deutschland

Thomas B. Leiper
Heating House Equipment Ltd.
Monument House
16 Monument Street
London, E.C.3, England

Hoang Vande R. S. Stokvis et Fils
20-22 rue des Petits Hotels
Paris, France



Talarico's Prefab air duct systems assure maximum indoor comfort through complete perimeter coverage with low velocities. They are easy to assemble and install.

Terry Burners Inc., which started designing and manufacturing heating equipment in 1945, has recently won ready acceptance for its oil burners, burner castings and heating accessories in major European countries.

Two basic oil burners are offered for domestic use. The Model A series delivers capacities of 70,000 to 190,000 BTUH when used in a warm air system; Model B gives a range of 190,000 to 285,000 BTUH. Larger burners are available for commercial and industrial installations.

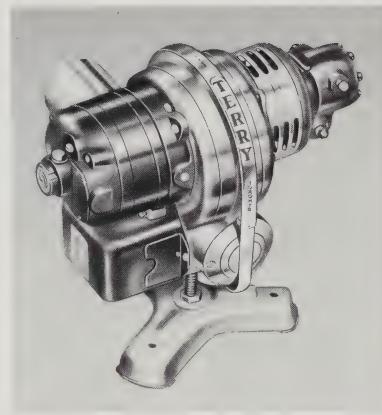
A precision product with die-cast aluminium alloy housing, Terry oil burners use standard components throughout for ease of maintenance and ready replacement of parts.

Quiet, efficient, economical operation is assured through several advanced engineering features. A live rubber direct drive coupling ensures freedom from vibration. A perfectly balanced blower wheel provides maximum and noiseless air delivery. Dependable oil supply comes from a powerful and silent pump with extra strainer. A spiral-vaned end cone directs air into oil spray to effect proper fuel mix for most efficient combustion.

Terry Burners also displays draught regulators and baseboard diffusers in its Exacta line of heating accessories.

The regulator, an accurate and dependable control, gives efficient adjustment to high, medium and low draught warm air delivery. The baseboard diffuser—an unusual locking device—enables the user to set the damper in any position for positive locking.

Other Exacta accessories include a vapour-mist humidifier and various types of filters, caps, pipes, gauges, pulleys, flanges, whistles and bushings.



Terry Burners oil burner is also available as a burner casting which allows the buyer to install components of his own choice. As a complete unit, BTUH range is from 70,000 to 285,000 for domestic use.

oil burners, heating accessories



TERRY INDUSTRIES

A Division of Textron Canada Limited, 180 Labrosse Avenue, Pointe Claire, Quebec, Canada

portable vented space heaters

Heat that can be wheeled to the job comes in an improved type of oil-fired portable space heater produced by Terry Industries. It's especially useful for keeping work moving on construction projects in winter.

Main advantage of this unit is that fumes can be vented off and carried outside by pipe. Terry Industries was one of the first in North America to provide this feature in portable heaters. With a heat exchanger that eliminates carbon monoxide, the Terry unit provides complete safety for workmen no matter where they're working. Only the cleanest, safest air circulates through the job area and full protection is afforded against chemical reaction from carbon monoxide in the curing of concrete and plaster.

Mounted on heavy-duty, rubber-tyred wheels, the Terry heater has a slim-design contour for easy entry and exit through standard door frames.

Two models are available. One delivers 250,000 BTUH, the other 350,000. They have a variety of applications other than construction work. They can be used on farms—for drying produce and crops or giving instant warmth to livestock and poultry. They also pre-heat engines and equipment, thaw out plumbing lines and heat materials and supplies.

Founded in 1938, Terry Industries now exports its heaters to The Netherlands, Britain, Switzerland and the United States. Among the company's other products are chain saws, pumps, generators and golf cars.



This compact oil-fired portable space heater by Terry Industries—only 24 inches wide—can be moved into any area needing temporary heat. Vent removes carbon monoxide fumes which can be carried outside by pipe.

REPRESENTED BY:

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2 Hamburg-Bahrenfeld
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INFORMATION

Officials of the Canadian Department of Trade and Commerce and representatives of participating Canadian companies at the 6th International Trade Fair for Oil Heating and Gas Heating in Stuttgart will be pleased to answer inquiries. Information is also available from any of the following Canadian trade offices.

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Der Generalkonsul
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